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PATENT AND TRADEMARK OFFICE

Attorney Docket Number

SHPR-01028US4

Serial No.

10/074,096

OIP INFORMATION DISCLOSURE CITATION  
BY APPLICANT

(Use several sheets if necessary)

Applicant

Charles E. Taylor et al.

Filing Date

February 12, 2002

Group An Unit

1753

## U.S. PATENTS

Examiner Initial	Patent Number	Issue Date	Name	Class	Subclass	Filing Date
<i>Jm</i>	1. 3,374,941	3/26/1968	Okress	315	11191	6/30/1964
<i>Jm</i>	2. 5,248,324	9/28/1993	Hara	96	37	2/19/92

## U.S. PATENT PUBLICATIONS

Examiner Initial	Patent Application Publication Number	Publication Date	Applicant
<i>Jm</i>	3. 2004/0065202 A1	4/8/2004	Gatchell et al.
<i>Jm</i>	4. 2004/0052700 A1	3/18/2004	Kotlyar et al.

## PENDING U.S. PATENT APPLICATIONS

Examiner Initial	Application Number	Filing Date	Inventor	Petition to Expunge	
				Yes	No

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Publication Date	Country	Translation	
				Yes	No
<i>Jm</i>	5. CN 2138764 Y	7/21/1993	China	✓	
<i>Jm</i>	6. CN 2153231 Y	1/19/1994	China	✓	
<i>Jm</i>	7. CN 87210843 U	7/6/1988	China	✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)


EXAMINER

*Prohaz McDaniel*

DATE CONSIDERED

*4/7/05*

EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*1 = Copy not submitted because it was submitted in prior application / , filed , 20 , and relied upon under 35 USC §120.

\*2 = Copy not submitted because it was submitted in prior application / , filed , 20 , and relied upon under 35 USC §120.

<b>ELECTRONIC INFORMATION DISCLOSURE STATEMENT</b>
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Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	<b>Electro-Kinetic Air Transporter and Conditioner Device with Enhanced Anti-Microorganism Capability</b>																																																																																																																																
<p>Application Number: 10/074096 <span style="float: right;">*10/074096*</span></p> <p>Confirmation Number: 9062</p> <p>First Named Applicant: Charles Taylor</p> <p>Attorney Docket Number: SHPR-01028US4</p> <p>Examiner: Rodney G McDonald</p> <p>Search string: ( 0653421 or 0995958 or 4102654 or 4659342 or 4674003 or D315598 or 5012093 or 5077500 or D329284 or D332655 or 5248324 or 5266004 or 5290343 or 5435817 or 5532798 or D375546 or D377523 or 5641342 or D389567 or 5779769 or 5911957 or 5980614 or 6193852 or 6212883 or 6508982 ).pn.</p> <p><b>US Patent Documents</b></p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>init</th> <th>Cite.No.</th> <th>Patent No.</th> <th>Date</th> <th>Patentee</th> <th>Kind</th> <th>Class</th> <th>Subclass</th> </tr> </thead> <tbody> <tr><td><i>Th</i></td><td>1</td><td>0653421</td><td>1900-07-10</td><td>Lorey</td><td>210</td><td>330</td><td></td></tr> <tr><td><i>Th</i></td><td>2</td><td>0995958</td><td>1911-06-20</td><td>Goldberg</td><td>472</td><td>186.18</td><td></td></tr> <tr><td><i>Th</i></td><td>3</td><td>4102654</td><td>1978-07-25</td><td>Pellin</td><td>96</td><td>16</td><td></td></tr> <tr><td><i>Th</i></td><td>4</td><td>4659342</td><td>1987-04-21</td><td>Lind</td><td>95</td><td>5</td><td></td></tr> <tr><td><i>Th</i></td><td>5</td><td>4674003</td><td>1987-06-16</td><td>Zylka</td><td>361</td><td>235</td><td></td></tr> <tr><td><i>Th</i></td><td>6</td><td>D315598</td><td>1991-03-19</td><td>Yamamoto et al</td><td>D23</td><td>381</td><td></td></tr> <tr><td><i>Th</i></td><td>7</td><td>5012093</td><td>1991-04-30</td><td>Shimizu</td><td>399</td><td>100</td><td></td></tr> <tr><td><i>Th</i></td><td>8</td><td>5077500</td><td>1991-12-31</td><td>Tok et al</td><td>315</td><td>111.91</td><td></td></tr> <tr><td><i>Th</i></td><td>9</td><td>D329284</td><td>1992-09-08</td><td>Patton</td><td>D23</td><td>378</td><td></td></tr> <tr><td><i>Th</i></td><td>10</td><td>D332655</td><td>1993-01-19</td><td>Lytle et al</td><td>D23</td><td>378</td><td></td></tr> <tr><td><i>Th</i></td><td>11</td><td>5248324</td><td>1993-09-28</td><td>Hara</td><td>96</td><td>37</td><td></td></tr> <tr><td><i>Th</i></td><td>12</td><td>5266004</td><td>1993-11-30</td><td>Tsumurai et al</td><td>416</td><td>100</td><td></td></tr> <tr><td><i>Th</i></td><td>13</td><td>5290343</td><td>1994-03-01</td><td>Morita et al</td><td>96</td><td>39</td><td></td></tr> <tr><td><i>Th</i></td><td>14</td><td>5435817</td><td>1995-07-25</td><td>Davis et al</td><td>55</td><td>337</td><td></td></tr> <tr><td><i>Th</i></td><td>15</td><td>5532798</td><td>1996-07-21</td><td>Nakagami et al</td><td>399</td><td>170</td><td></td></tr> </tbody> </table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<i>Th</i>	1	0653421	1900-07-10	Lorey	210	330		<i>Th</i>	2	0995958	1911-06-20	Goldberg	472	186.18		<i>Th</i>	3	4102654	1978-07-25	Pellin	96	16		<i>Th</i>	4	4659342	1987-04-21	Lind	95	5		<i>Th</i>	5	4674003	1987-06-16	Zylka	361	235		<i>Th</i>	6	D315598	1991-03-19	Yamamoto et al	D23	381		<i>Th</i>	7	5012093	1991-04-30	Shimizu	399	100		<i>Th</i>	8	5077500	1991-12-31	Tok et al	315	111.91		<i>Th</i>	9	D329284	1992-09-08	Patton	D23	378		<i>Th</i>	10	D332655	1993-01-19	Lytle et al	D23	378		<i>Th</i>	11	5248324	1993-09-28	Hara	96	37		<i>Th</i>	12	5266004	1993-11-30	Tsumurai et al	416	100		<i>Th</i>	13	5290343	1994-03-01	Morita et al	96	39		<i>Th</i>	14	5435817	1995-07-25	Davis et al	55	337		<i>Th</i>	15	5532798	1996-07-21	Nakagami et al	399	170	
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<i>Mr</i>	16	D375546	1996-11-12	Lee	1223	369
<i>Mr</i>	17	D377523	1997-01-21	Marvin et al	1223	364
<i>Mr</i>	18	5641342	1997-06-24	Smith et al	96	77
<i>Mr</i>	19	D389567	1998-01-20	Gudefin	1223	378
<i>Mr</i>	20	5779769	1998-07-14	Jiang	96	55
<i>Mr</i>	21	5911957	1999-06-15	Khatchatryan et al	422	186.07
<i>Mr</i>	22	5980614	1999-11-09	Loreth et al	96	63
<i>Mr</i>	23	6193852	2001-02-27	Caracciolo et al	204	176
<i>Mr</i>	24	6212883	2001-04-10	Kang	60	275
<i>Mr</i>	25	6508982	2003-01-21	Shoji	422	22

Signature

Examiner Name	Date
<i>Redney M. Jondel</i>	<i>4/7/05</i>


11/24/04 IDS

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

<b>Title of Invention</b>	<b>Electro-Kinetic Air Transporter and Conditioner Device with Enhanced Anti-Microorganism Capability</b>
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Application Number : 10/074096   
 Confirmation Number: 9062  
 First Named Applicant: Charles Taylor  
 Attorney Docket Number: SHPR-01028US4  
 Art Unit: 1753  
 Examiner: Rodney G McDonald  
 Search string: ( 4955991 or 4967119 or 4976752 or 5006761 or 5012159 or 5053912 or 5180404  
 or 5766318 or 5993521 or 6117216 or 6203600 or 6398852 or 6494940 or 6635105  
 or 3540191 or 20040136863 or 20040166037 ).pn

## US Patent Documents

**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4955991	1990-09-11	Torok et al	96	50	
	2	4967119	1990-10-10	Torok et al	315	111.91	
	3	4976752	1990-12-11	Torok et al	96	43	
	4	5006761	1991-04-09	Torok et al	315	111.91	
	5	5012159	1991-04-30	Torok et al	315	111.91	
	6	5053912	1991-10-01	Loreth et al	361	230	
	7	5180404	1993-01-19	Loreth et al	96	56	
	8	5766318	1998-06-16	Loreth et al	96	69	
	9	5993521	1999-11-30	Loreth et al	96	69	
	10	6117216	2000-09-12	Loreth	96	62	
	11	6203600	2001-03-21	Loreth	96	40	
	12	6398852	2002-06-04	Loreth	96	63	
	13	6494940	2002-12-17	Hak	96	224	
	14	6635105	2003-10-21	Ahlborn et al	96	28	
	15	3540191	1970-11-17	Herman	96	51	

## US Published Applications

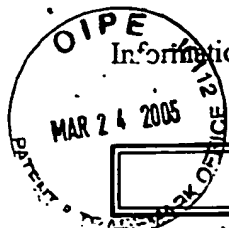
**Note: Applicant is not required to submit a paper copy of cited US Published Applications**

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
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	1	20040136863	2004-07-15	Yates et al	422	4	
	2	20040166037	2004-08-26	Youdell et al	422	18613	

**Signature**

Examiner Name	Date
<i>Robert J. Youdell</i>	<i>4/7/05</i>

*Copy of 11/27/07 IDS***ELECTRONIC INFORMATION DISCLOSURE STATEMENT**

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<i>Mr</i>	2	20040166037	2004-08-26	Youdell et al	<i>422</i>	<i>186, 3</i>	

**Signature**

Examiner Name	Date
<i>Rodney McDonald</i>	<i>4/7/05</i>